



SEQUENCE LISTING

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Shen, Honglue

<120> PRION-BINDING LIGANDS AND METHODS OF USING SAME

<130> 18242-507

<140> 09/543,188

<141> 2000-04-05

<160> 39

<170> PatentIn Ver. 2.1

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<211> 8

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<223> Description of Artificial Sequence: Prion Protein
Amino Acid Sequence

<400> 1

Gly Trp Gly Gln Pro His Gly Gly
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<211> 16

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<213> Artificial Sequence

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Amino Acid Sequence

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<211> 6

<212> PRT

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<223> Description of Artificial Sequence: Synthetic
Peptide Sequence

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Leu Leu Ile Trp Ile Pro

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Peptide Sequence

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Trp Leu Tyr Trp Ile Pro

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Peptide Sequence

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Trp Glu Phe Tyr Trp Phe

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<210> 6

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Peptide Sequence

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Tyr Val Phe Asn Trp Tyr

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Peptide Sequence

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Leu Ala Trp Phe Trp Arg

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Peptide Sequence

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Peptide Sequence

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Tyr Phe Ile Trp Trp Glu
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Ser Phe Pro Tyr Tyr Tyr
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Leu Glu Ile Arg Leu Ala
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Peptide Sequence

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Ser Leu Glu Glu Tyr Val
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Peptide Sequence

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Leu Arg Val Ile Ile Ser
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Peptide Sequence

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Gln Leu Gly His Gln Trp
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Ser Asn Tyr Gly Pro Tyr
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Pro Phe His Pro Gly
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Trp Ile Pro Pro Tyr Asn
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Trp Phe Pro His Phe Phe
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Ile Gln Ile Trp Ile Phe
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Leu Trp Trp Leu Phe Val
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Ile Phe Phe Trp Ile Lys
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 Arg Trp Ile Ile Ser Leu
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 Val Phe Glu Tyr Ile Lys
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Tyr Trp Phe Ile Tyr Ile
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<210> 29

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Peptide Sequence

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Thr Gly Ile Pro Ile Ile
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<210> 30

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Peptide Sequence

<400> 30

His Lys Glu Gln Gly Ala
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<210> 31

<211> 5

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<223> Description of Artificial Sequence: Fragment of
Prion Protein Amino Acid Sequence

<400> 31

His Gly Gly Gly Trp
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<210> 32

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<223> Description of Artificial Sequence: Prion Protein
Copper Binding Amino Acid Motif

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His Gly Gly Gly
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Repeated Amino Acid Sequence

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<210> 34

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Retro-Inverso Amino Acid Sequence

<400> 34

Asp Gly Gly His Pro Gln Gly Trp Gly Gly Gly His Pro Gln Gly Trp
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Gly

<210> 35

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Phe Leu Leu His Pro Ile
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His His His Pro Gln Thr
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Arg Tyr His Val Tyr Phe
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Ligand Peptide Retro-Inverso Sequence

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Phe Ile Trp Ile Gln Ile
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Recognized Prion Protein Peptide Sequence

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